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TITLE : PREPARATION OF CHEMICALLY PLATABLE POWDER COATING

ABSTRACT : PURPOSE: To prepare the titled powder coating having improved heat resistance, and suitable for the manufacturing of a metal-cored printed circuit board, by mixing specific amounts of a specific epoxy resin, a specific rubber and an inorganic filler, and finely pulverizing the mixture.

CONSTITUTION: The objective composition is prepared preferably by (1) crosslinking a mixture of 100pts.wt. of an epoxy resin (e.g. bisphenol A-epichlorohydrin epoxy resin) and 1~200pts. of a rubber (e.g. acrylonitrile-butadiene rubber), (2) mixing the reaction product, if necessary, with additional epoxy resin, rubber and an inorganic filler (e.g. zirconium silicate) to obtain a composition composed of 100pts. of epoxy resin, 1~60pts. of rubber and preferably 5~100pts. of inorganic filler, and (3) kneading the mixture and finely pulverizing the product.

EFFECT: The pulverization workability and its yield are improved, and the tolerable amount of the rubber is increased.

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